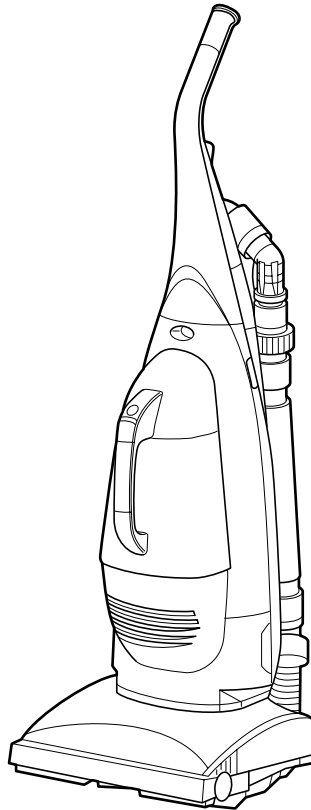




How to use your HITACHI VACUUM CLEANER

HITACHI
Inspire the Next

MODEL CV-90CY





PART IDENTIFICATION

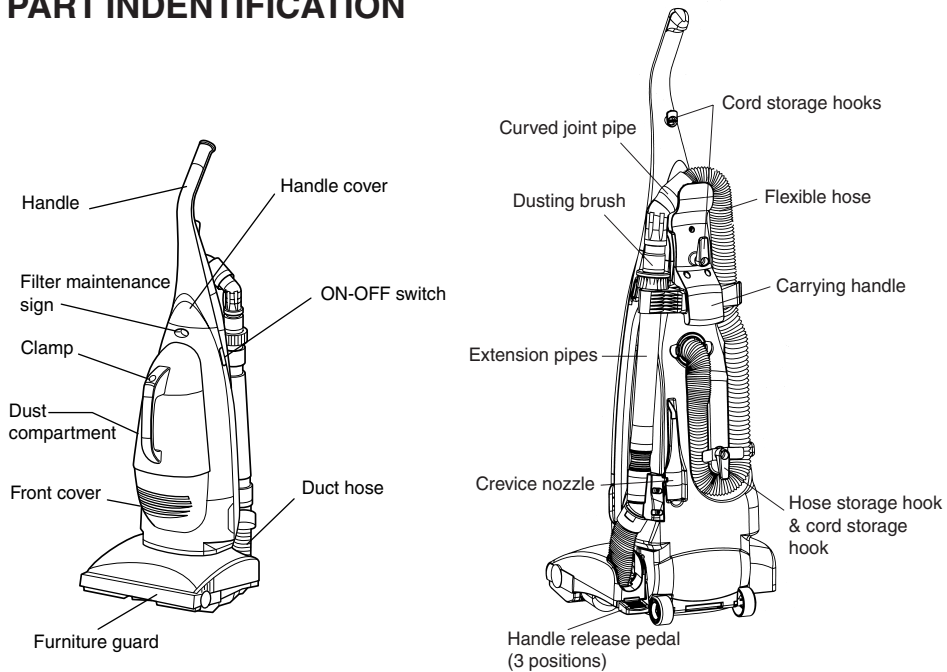


Fig.1

HOW TO OPERATE TO INSTALL THE HANDLE (Fig. 2)

1. Insert the handle ① into the opening on the top of the cleaner and) tighten screw ②
- 2) Fix the handle cover to handle firmly. When you take it off, insert a screwdriver (straight type) in the side hole of handle cover and detach it.

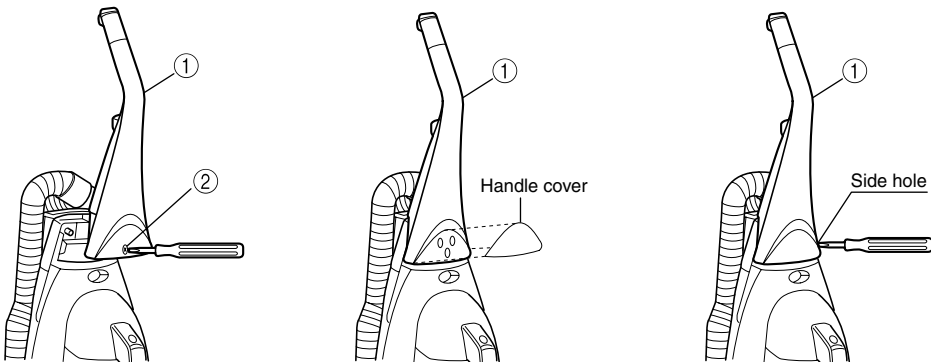


Fig.2



ON-OFF SWITCH (Fig. 3)

Turn cleaner on or off by pushing downward on the power switch ③

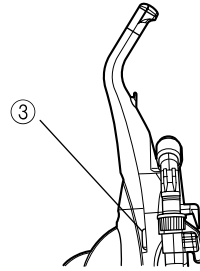


Fig.3

CORD STORAGE AND RELEASE (Fig. 4)

1. To store the cord, turn the upper cord storage hook ④ to the upward position, and wrap the cord around the hooks.
2. To release the power cord, turn the upper cord storage hook ④ downward, then pull off the complete cord.
3. To help secure the cord during use, fix it on the upper cord storage hook ⑤

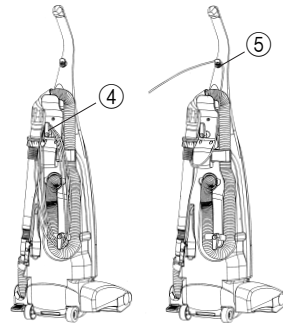


Fig.4

HANDLE POSITION (Fig. 5)

To change the position of the handle, first press with foot on the handle release pedal at the rear of the cleaner, and then lower the handle.

- (A) Upright position: When the handle is in this position the rotary brush is automatically raised away from the floor.
- (B) Normal working position: This position allows you to raise the front of the nozzle head to clear steps.
- (C) Low position: For reaching under low furniture to raise the front of the nozzle head to clear steps.

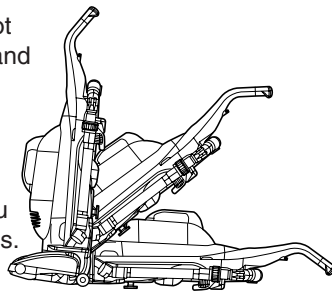


Fig.5

NOTE: The handle should always be in upright position when cleaning tools are used.



AUTOMATIC HEIGHT CONTROL (Fig. 6)

The HITACHI vacuum cleaner has an automatic height control, which adjusts the nozzle to the proper height of any carpet pile.

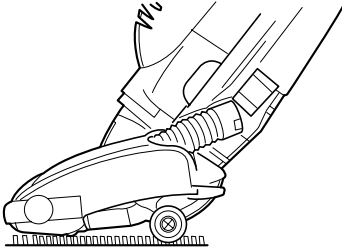
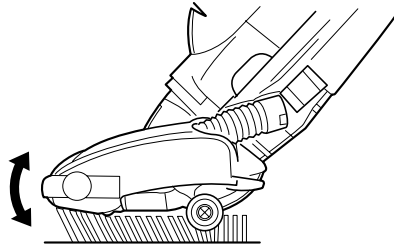


Fig.6



DUST COMPARTMENT OPERATION (Fig. 7)

When the orange sign ⑥ appears continuously in the window, empty the dust compartment.

Never allow the dust compartment to become so full that the dirt will block the passage to the compartment.

Empty the dust compartment frequently when using the cleaner on new carpets, due to rapid accumulation of carpet fluff. And maintain the filters along Filter Care on Page 6.

In case the orange sign is still visible after emptying the dust compartment, turn the cleaner off, unplug the cord and check whether the duct hose is clogged. If so remove blockages.

NOTE: If the cleaner is used when the orange sign appears in the window, it will not draw enough air and the motor may overheat and may eventually burn out.

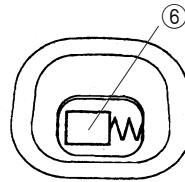


Fig.7

CARRYING HANDLE (Fig. 8)

To move your cleaner from room to room, carry it by the carrying handle ⑦ on the back of the cleaner or roll it on the rear wheels.

EDGE CLEANING (Fig. 8)

Brushed edge cleaning is provided on the both sides of the cleaner to remove imbedded dirt in carpet close to the skirting board or wall.

Guide each side of the cleaner parallel to the wall or furniture.

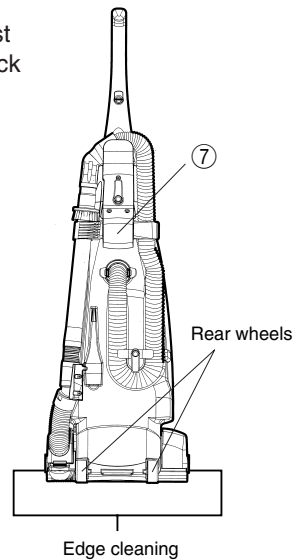


Fig.8

FRONT EDGE CLEANING (Fig. 9)

The front edge cleaning is a special head function that provides good performance at the corner and wall edges of a room.

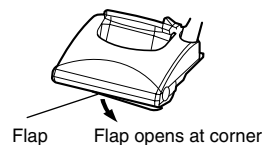


Fig.9



HOW TO USE TOOLS (Fig. 10, 11, 12)

Use the tools you require for cleaning hard floors, fabrics and curtains etc.

1. Ensure the cleaner is in the upright position.
2. Hold the dusting brush ⑧ and the extension pipe ⑨ as shown in Fig.10, and disconnect the dusting brush from the extension pipe.
3. Turn the hose storage hook ⑩ counter clockwise, and remove the flexible hose ⑪ from the back of the cleaner.
4. When use the extension pipes, remove them from the back of the cleaner. The extension pipe assembly consists of two pipes-with one located inside the other for storage.
5. The tools can be connected as shown in Fig.12.

NOTE: After having finished using the tools, re-insert the tools and restore the flexible hose on body.

NOTE: The extension pipes should be re-inserted as shown in Fig.10.

NOTE: Rotary brush is not disconnected when tools are in use and care should be taken not to run over the mains lead.

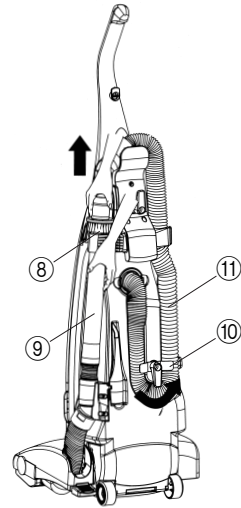


Fig.10



Using the dusting brush



Using the crevice nozzle

Fig.11

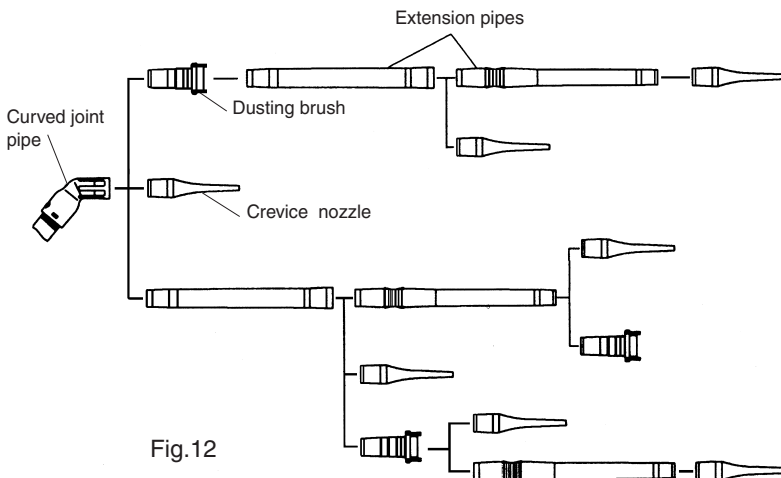


Fig.12



HOW TO CLEAR A BLOCKAGE

If your cleaner is used when the dust compartment is full or if any blockages are sucked in by accident, the air ducts may become clogged. If this occurs, remove the blockages or obstructions from the air ducts as follows.

CAUTION: Be sure to disconnect the plug from the electrical outlet.

*DUCT HOSE (Fig. 13, 14)

1. Empty the dust compartment.
2. Turn the cleaner over. Release the handle to the middle position. Remove the 3 screws from the belt cover ⑫
3. Remove the belt cover, and take off the hose supporter ⑬ to check the duct hose ⑭
4. To remove the duct hose, twist it clockwise.

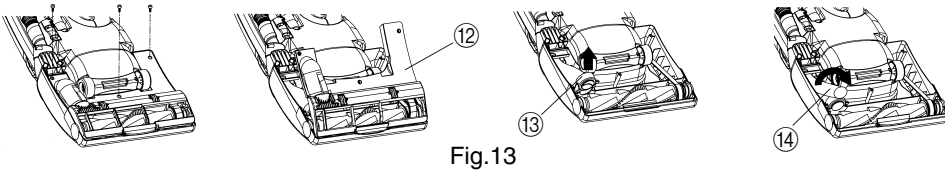


Fig.13

5. After removing blockage from the duct hose, reinstall the duct hose by twisting counterclockwise, and replace the hose supporter on the case securely.
6. Place the four projections on the front of the belt cover to the windows ⑮ provided on the front end of case and replace the belt cover, and re-fasten the screws securely.

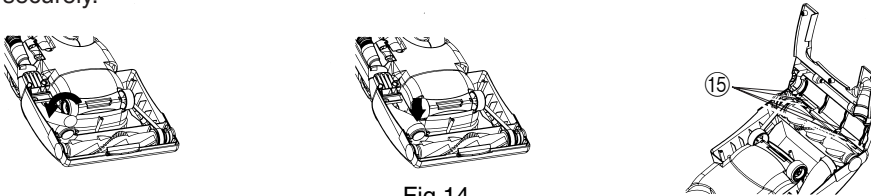


Fig.14

*FLEXIBLE HOSE (Fig. 15)

1. To disconnect flexible hose from the suction inlet, press two joints ⑯ firmly.
2. After removing blockage from the flexible hose and/or suction inlet, replace the hose and connect securely.

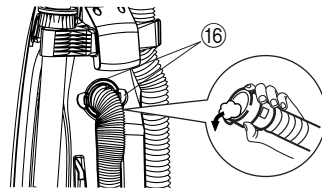


Fig.15

*JOINT PIPE (Fig. 16)

Blockages may be cleared by separating the curved joint pipe ⑰ from the hose. To separate the joint pipe, depress the two claws ⑱ which are located in the holes ⑲ on both sides of joint pipe and pull apart.

To re-connect push hose back into joint pipe and twist until two claws ⑱ locate with holes ⑲

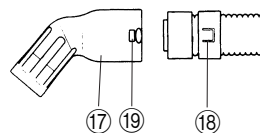


Fig.16



How to empty the dust compartment

- 1) Empty the dust compartment before dust reaches the max line.
- 2) If you continue using the cleaner, the suction power will be diminished due to dust clogging the filter.
- 3) Please remove the dust.

NOTE:

Switch off the power and remove the mains plug from the socket before emptying the dust compartment.

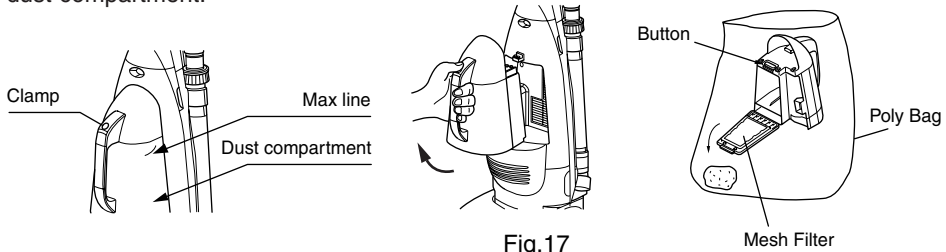


Fig.17

How to dispose of the dust (Fig. 17)

- 1) Press the clamp of dust case.
- 2) Remove the dust case from the lower side.

NOTE:

- 1) When you remove the dust compartment from the body, don't press the open button on the compartment. If you do so, the dust will spill out from the compartment.
- 2) When using the cleaner, don't remove the dust compartment from the body.
- 3) Be careful when removing the dust compartment not to spill dust.
- 4) Put the whole dust compartment into a poly bag and press the open button to empty dust into the poly bag.
- 5) Turn the dust compartment downwards, push the open button for the lid of the dust compartment, to release the dust.
- 6) Remove dust around the mesh filter and under mesh filter.

Filter care (Fig. 18)

It is recommended that the filter is cleaned once or twice a month to ensure optimum suction power:

- 1) Empty the dust compartment as described in the previous section.
- 2) Take off the filter supporter from the filter holder.
- 3) Wash the filter in tepid water or a neutral detergent.
If detergent is used, rinse it out thoroughly.
- 4) Allow the filter to dry naturally.

NOTE:

- 1) Don't wash in boiling water or in a washing machine.
- 2) Don't dry over a fire, in hot sunlight or in a tumble dryer.
- 3) If the filter is used when wet, suction will be impaired and the motor may be damaged.

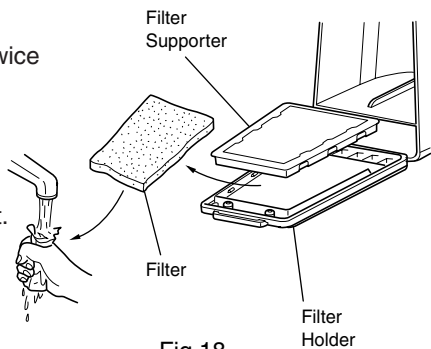


Fig.18



*Filters in dust case (Washable) (Maintenance once a month) (Fig. 19)

- 1) Remove the dust compartment and empty out the dust.
- 2) -1. Press the button with thumb.
-2. Remove the cyclone case by pushing the button with two fingers (the forefinger and the middle finger).
-3. Remove the dust around the inside mesh filter (the mesh filter is washable).
- 3) Open the lid of the dust compartment and remove the mesh filter, you can wash the mesh filter.
- 4) Turn the lid of dust compartment to its original position, close it with a click and
- 5) Install the dust compartment into the cleaner body.

NOTE:

Fit each filter in position correctly, if not, dust will be spilled which will clog the filters resulting in a reduction of suction power.

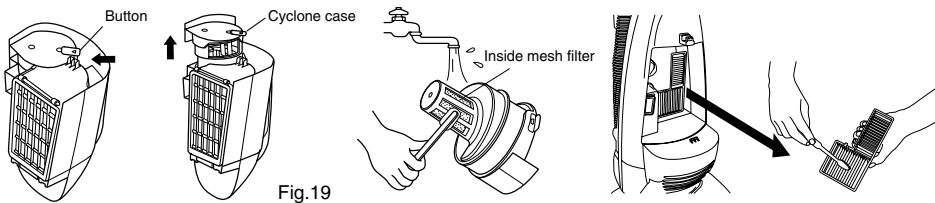


Fig.19

*Black filter (Washable) (Fig. 19)

After removing dust compartment, pull the middle knob and remove Black filter. Remove dust from the Black filter, and install it to correct position.

*HEPA clean filter (Fig. 20)

- 1) Open the front cover while taking off the hook right side of the cover. You can see HEPA clean filter and lower filter inside. Remove the HEPA clean filter by pulling the handle on the filter.
- 2) Remove dust around the HEPA clean filter by patting it gently.
- 3) Reinstall the HEPA clean filter.

NOTE:

- 1) Pat the filter gently. If you hit it, it may become deformed and let dust through.
- 2) Don't use a brush.
- 3) Ensure that the HEPA clean filter is seated correctly, otherwise you cannot install the dust compartment correctly.
- 4) If you use the cleaner without the HEPA clean filter, it will eventually cause motor failure.

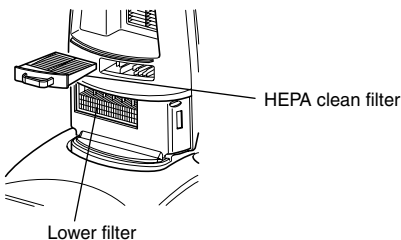


Fig.20



SERVICING AND REPAIRS

CAUTION: Be sure to disconnect the plug from the electrical outlet before replacing the belt or the rotary brush.

*HOW TO REPLACE THE BELT (Fig. 21, 22)

The drive belt should be checked regularly to ensure that it is in good condition. If it is stretched, cracked or cut, it should be replaced.

1. Turn the cleaner over. Release the handle to the middle position.
Remove the 3 screws from the belt cover. (Fig.21)
2. Remove the belt cover ⑫ as shown.
3. Lift the rotary brush assembly ⑳ out of the brush housing and remove the worn or broken belt ㉑.

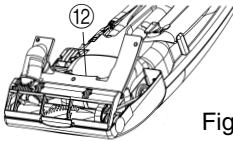
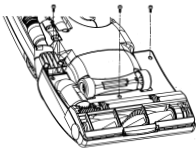
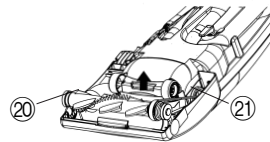


Fig.21



4. Place one end of the new belt over the motor shaft, and then slip the other end around the pulley of the rotary brush. Reinstall the rotary brush back into position.
Press firmly both sides of the rotary brush to be sure they are securely in place.
5. Place the four projections of the belt cover to the windows ⑮ provided on the front end of the case and replace the belt cover, and re-fasten the screws securely.

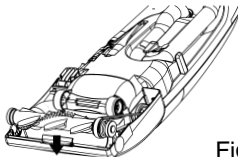
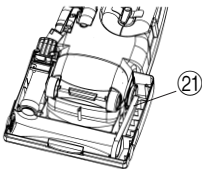
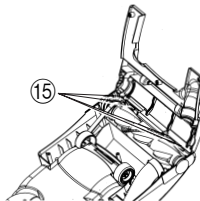


Fig.22



*HOW TO REPLACE THE ROTARY BRUSH (Fig. 23, 24)

Be sure to disconnect plug from the electrical outlet. Remove the belt cover, the belt, and the rotary brush assembly following the direction previously given.

1. Grasp the rubber end caps and turn them counterclockwise until one of the end caps comes off as shown in Fig.23.
2. Separate the rotary brush from other parts.
3. Reassemble each part with new rotary brush as shown in Fig.24. Be careful not to forget to install any parts.
4. Screw on the end caps and tighten.
5. Replace the belt, the rotary brush and the belt cover as described previously.



Fig.23

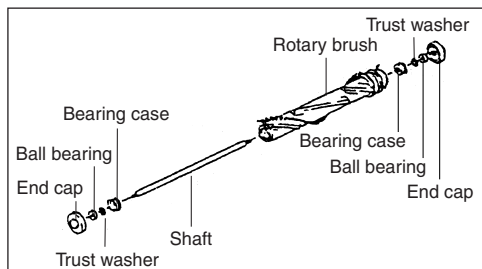


Fig.24



HOW TO MAINTAIN CLEANING EFFICIENCY

- The plug of the power supply cord should be removed from the socket outlet before cleaning the appliance or undertaking maintenance operations.
- The supply cord on this appliance can only be replaced by the use of special tools and if it is damaged the appliance must be returned to the manufacturer or an accredited service agent for repair.
- Empty the dust compartment before it is filled excessively.
- If the rotary brush becomes jammed by picking up large solid objects, bulky matter or the like, take it out after unplugging the cord. Remove any threads and long strings entwined round the rotary brush after cutting through.
- Only Hitachi special composition carbon brushes must be used in this cleaner. Replacement of the brushes must be carried out by an Hitachi dealer/service center.
- To clean the cleaner body and attachments, wipe with a soapsuds-soaked cloth. Avoid using alcoholic content liquids.

TO AVOID ACCIDENTS

- **Always disconnect cord from electrical outlet before servicing the cleaner.**
- **Keep fingers, hands, feet and hair away from revolving rotary brush.**
- **Do not pick up matches, fireplace ashes or smoking material with the vacuum cleaner as a possible fire hazard may result.**
- **Avoid picking up sharp objects. They may damage the vacuum cleaner and the bag.**
- **Do not use the cleaner to pick up wet dirt, and avoid using it in a wet and moist place as moisture may damage the motor and other mechanical parts.**
- **Do not block the air flow. Any blockages or obstructions to the nozzle, hose, etc. or the exhaust air outlet can cause loss of power and motor overheating.**
- **Do not run the cleaner over cord. It may damage insulation.**
- **Avoid cleaning the switch and receptacle parts with wet cloth and splashing water on it as moisture may cause a short circuit.**
- **Your vacuum cleaner is not a toy. Do not allow children to play with it. Do not leave the vacuum cleaner connected to and electrical outlet unattended.**
- **Warning:** Electric shock could occur if used outdoors or on wet surfaces.
- **Warning:** During use of the (accessory) tools, the rotary brush will continue to rotate and care must be taken to keep hands and the mains lead clear of the underside of the vacuum cleaner.
- **Warning:** When using accessory tools, the rotary brush will continue to rotate, so care must be taken not to leave the vacuum cleaner standing on an uneven surface, e.g. stairs, as this may result in damage to a carpet or other surface.
- **Warning:** Do not leave the vacuum cleaner running continuously on one part of a floor surface, e.g. when answering the phone, as this may result in damage. Switch off the vacuum cleaner.



IMPORTANT

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plugs, this must be carried out by a competent person, preferably a qualified electrician.

If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue=Neutral, Brown=Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

On no account connect either of these wires to the terminal marked E or by the earth symbol \perp or coloured green or green and yellow.

THIS PRODUCT CONFORMS WITH THE
REQUIREMENTS OF THE FOLLOWING COUNCIL DIRECTIVES:
EMC: 89/336/EEC. LVD: 72/33/EEC, AND MARKING 93/68/EEC.



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Inspire the Next

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